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<u>L12</u>	L11 not l10	1	<u>L12</u>
<u>L11</u>	(glycoside) near (I5)	2	<u>L11</u>
<u>L10</u>	(sugar) near (I5)	2	<u>L10</u>
<u>L9</u>	(sugar) same (I5)	57	<u>L9</u>
<u>L8</u>	I3 and I4 and I5	14	<u>L8</u>
<u>L7</u>	I3 and I4 and I5	0	<u>L7</u>
<u>L6</u>	I2 and I3 and I4 and I5	0	<u>L6</u>
<u>L5</u>	perfluoro\$	17659	<u>L5</u>
<u>L4</u>	diamagnetic\$	1661	<u>L4</u>
<u>L3</u>	paramagnet\$	6068	<u>L3</u>
<u>L2</u>	unger.in.	692	<u>L2</u>

*DB=EPAB,DWPI; PLUR=YES; OP=ADJ*

<u>L1</u>	548096.pn.	2	<u>L1</u>
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NEWS	4	Feb 01	DKILIT now produced by FIZ Karlsruhe and has a new update frequency
NEWS	5	Feb 19	Access via Tymnet and SprintNet Eliminated Effective 3/31/02
NEWS	6	Mar 08	Gene Names now available in BIOSIS
NEWS	7	Mar 22	TOXLIT no longer available
NEWS	8	Mar 22	TRCTHERMO no longer available
NEWS	9	Mar 28	US Provisional Priorities searched with P in CA/Caplus and USPATFULL
NEWS	10	Mar 28	LIPINSKI/CALC added for property searching in REGISTRY
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NEWS	16	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS	17	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS	18	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS	19	Jun 03	New e-mail delivery for search results now available
NEWS	20	Jun 10	MEDLINE Reload
NEWS	21	Jun 10	PCTFULL has been reloaded
NEWS	22	Jul 02	FOREGE no longer contains STANDARDS file segment
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=> s perfluoro(w)alkyl?  
L1 1854 PERFLUORO(W) ALKYL?

=> s l1 and (paramagnet? and diamagnet?)  
L2 0 L1 AND (PARAMAGNET? AND DIAMAGNET?)

=> s l1 and parmagnet?  
L3 0 L1 AND PARMAGNET?

=> s l1 and paramagnet?  
L4 14 L1 AND PARAMAGNET?

=> s l4 and diamagnet?  
L5 0 L4 AND DIAMAGNET?

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L6 14 DUP REM L4 (0 DUPLICATES REMOVED)

=> d ibib ab 1-  
YOU HAVE REQUESTED DATA FROM 14 ANSWERS - CONTINUE? Y/(N):y

L6 ANSWER 1 OF 14 USPATFULL  
 ACCESSION NUMBER: 2001:191229 USPATFULL  
 TITLE: .alpha.-olefins and olefin polymers and processes therefor  
 INVENTOR(S): Brookhart, Maurice S., Chapel Hill, NC, United States  
 Johnson, Lynda Kaye, Wilmington, DE, United States  
 Killian, Christopher Moore, Chapel Hill, NC, United States  
 Arthur, Samuel David, Wilmington, DE, United States  
 Feldman, Jerald, Hockessin, DE, United States  
 McCord, Elizabeth Forrester, Hockessin, DE, United States  
 McLain, Stephan James, Wilmington, DE, United States  
 Kreutzer, Kristina Ann, Wilmington, DE, United States  
 Bennett, Alison Margaret Anne, Wilmington, DE, United States  
 Coughlin, Edward Bryan, Wilmington, DE, United States  
 Ittel, Steven Dale, Wilmington, DE, United States  
 Parthasarathy, Anju, Glenmoore, PA, United States  
 Tempel, Daniel Joseph, Carrboro, NC, United States  
 E. I. du Pont de Nemours and Company, Wilmington, DE, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6310163	B1	20011030
APPLICATION INFO.:	US 1997-899002		19970710 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1996-590650, filed on 24 Jan 1996, now patented, Pat. No. US 5880241		
	Continuation-in-part of Ser. No. US 1995-473590, filed on 7 Jun 1995, now abandoned		
	Continuation-in-part of Ser. No. US 1995-415283, filed on 3 Apr 1995, now abandoned		
	Continuation-in-part of Ser. No. US 1995-378044, filed on 24 Jan 1995, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Wu, David W.		
ASSISTANT EXAMINER:	Rabago, R.		
NUMBER OF CLAIMS:	41		
EXEMPLARY CLAIM:	1		
LINE COUNT:	12859		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed herein are processes for polymerizing ethylene, acyclic olefins, and/or selected cyclic olefins, and optionally selected olefinic esters or carboxylic acids, and other monomers. The polymerizations are catalyzed by selected transition metal compounds, and sometimes other co-catalysts. Since some of the polymerizations exhibit some characteristics of living polymerizations, block copolymers can be readily made. Many of the polymers produced are often novel, particularly in regard to their microstructure which gives some of them unusual properties. Numerous novel catalysts are disclosed, as well as some novel processes for making them. The polymers made are useful as elastomers, molding resins, in adhesives, etc. Also described herein is the synthesis of linear .alpha.-olefins by the oligomerization of ethylene using as a catalyst system a combination a nickel compound having a selected .alpha.-diimine ligand and a selected Lewis or

L6 ANSWER 1 OF 14 USPATFULL (Continued)  
 Bronsted acid, or by contacting selected .alpha.-diimine nickel complexes with ethylene.

L6 ANSWER 2 OF 14 USPATFULL  
 ACCESSION NUMBER: 2001:56069 USPATFULL  
 TITLE: .alpha.-olefins and olefin polymers and processes therefor  
 INVENTOR(S): Johnson, Lynda Kaye, Wilmington, DE, United States  
 Killian, Christopher Moore, Chapel Hill, NC, United States  
 PATENT ASSIGNEE(S): E. I. du Pont de Nemours and Company, Wilmington, DE, United States (U.S. corporation)  
 University of North Carolina, Chapel Hill, NC, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6218493	B1	20010417
APPLICATION INFO.:	US 1997-891224		19970710 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1996-590650, filed on 24 Jan 1996, now patented, Pat. No. US 5880241		
	Continuation-in-part of Ser. No. US 1995-473590, filed on 7 Jun 1995, now abandoned		
	Continuation-in-part of Ser. No. US 1995-415283, filed on 3 Apr 1995, now abandoned		
	Continuation-in-part of Ser. No. US 1995-378044, filed on 24 Jan 1995, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Wu, David W.		
ASSISTANT EXAMINER:	Rabago, R.		
NUMBER OF CLAIMS:	24		
EXEMPLARY CLAIM:	1		
LINE COUNT:	12833		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed herein are processes for polymerizing ethylene, acyclic olefins, and/or selected cyclic olefins, and optionally selected olefinic esters or carboxylic acids, and other monomers. The polymerizations are catalyzed by selected transition metal compounds, and sometimes other co-catalysts. Since some of the polymerizations exhibit some characteristics of living polymerizations, block copolymers can be readily made. Many of the polymers produced are often novel, particularly in regard to their microstructure, which gives some of them unusual properties. Numerous novel catalysts are disclosed, as well as some novel processes for making them. The polymers made are useful as elastomers, molding resins, in adhesives, etc. Also described herein is the synthesis of linear .alpha.-olefins by the oligomerization of ethylene using as a catalyst system a combination a nickel compound having a selected .alpha.-diimine ligand and a selected Lewis or Bronsted acid, or by contacting selected .alpha.-diimine nickel complexes with ethylene.

L6 ANSWER 3 OF 14 USPATFULL  
 ACCESSION NUMBER: 2000:146485 USPATFULL  
 TITLE: Polymers of cyclopentene  
 INVENTOR(S): Brookhart, Maurice S., Chapel Hill, NC, United States  
 Johnson, Lynda Kaye, Wilmington, DE, United States  
 Killian, Christopher Moore, Chapel Hill, NC, United States  
 McLain, Stephan James, Wilmington, DE, United States  
 E. I. du Pont de Nemours and Company, Wilmington, DE, United States (U.S. corporation)  
 University of North Carolina, Chapel Hill, NC, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6140439		20001031
APPLICATION INFO.:	US 1997-891405		19970710 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1996-590650, filed on 24 Jan 1996, now patented, Pat. No. US 5880241 which is a continuation-in-part of Ser. No. US 1995-473590, filed on 7 Jun 1995, now abandoned which is a continuation-in-part of Ser. No. US 1995-415283, filed on 3 Apr 1995, now abandoned which is a continuation-in-part of Ser. No. US 1995-378044, filed on 24 Jan 1995, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Wu, David W.		
ASSISTANT EXAMINER:	Rabago, Roberto		
LEGAL REPRESENTATIVE:	Evans, Craig H., Lerman, Bart, Citron, Joel D.		
NUMBER OF CLAIMS:	34		
EXEMPLARY CLAIM:	1		
LINE COUNT:	12751		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed herein are processes for polymerizing ethylene, acyclic olefins, and/or selected cyclic olefins, and optionally selected olefinic esters or carboxylic acids, and other monomers. The polymerizations are catalyzed by selected transition metal compounds, and sometimes other co-catalysts. Since some of the polymerizations exhibit some characteristics of living polymerizations, block copolymers can be readily made. Many of the polymers produced are often novel, particularly in regard to their microstructure, which gives some of them unusual properties. Numerous novel catalysts are disclosed, as well as some novel processes for making them. The polymers made are useful as elastomers, molding resins, in adhesives, etc. Also described herein is the synthesis of linear .alpha.-olefins by the oligomerization of ethylene using as a catalyst system a combination a nickel compound having a selected .alpha.-diimine ligand and a selected Lewis or Bronsted acid, or by contacting selected .alpha.-diimine nickel complexes with ethylene.

L6 ANSWER 4 OF 14 USPATFULL  
ACCESSION NUMBER: 2000:109926 USPATFULL  
TITLE: Copolymer of an olefin and an unsaturated partially fluorinated functionalized monomer  
INVENTOR(S): Wang, Lin, Hockessin, DE, United States  
Yang, Zhen-Yu, Wilmington, DE, United States  
PATENT ASSIGNEE(S): E.I. du Pont de Nemours and Company, Wilmington, DE, United States (U.S. corporation)  
University of North Carolina at Chapel Hill, Chapel Hill, NC, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6107422		20000822
APPLICATION INFO.:	US 1997-899003		19970710 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1996-590650, filed on 24 Jan 1996, now patented, Pat. No. US 5880241 which is a continuation-in-part of Ser. No. US 1995-473590, filed on 7 Jun 1995, now abandoned which is a continuation-in-part of Ser. No. US 1995-415283, filed on 3 Apr 1995, now abandoned which is a continuation-in-part of Ser. No. US 1995-378044, filed on 24 Jan 1995, now abandoned		

DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: Wu, David W.  
ASSISTANT EXAMINER: Rabago, Roberto  
LEGAL REPRESENTATIVE: Citron, Joel D., Lerman, Bart E., Evans, Craig H.  
NUMBER OF CLAIMS: 5  
EXEMPLARY CLAIM: 1  
LINE COUNT: 12825

## CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed herein are processes for polymerizing ethylene, acyclic olefins, and/or selected cyclic olefins, and optionally selected olefinic esters or carboxylic acids, and other monomers. The polymerizations are catalyzed by selected transition metal compounds, and sometimes other co-catalysts. Since some of the polymerizations exhibit some characteristics of living polymerizations, block copolymers can be readily made. Many of the polymers produced are often novel, particularly in regard to their microstructure, which gives some of them unusual properties. Numerous novel catalysts are disclosed, as well as some novel processes for making them. The polymers made are useful as elastomers, molding resins, in adhesives, etc. Also described herein is the synthesis of linear .alpha.-olefins by the oligomerization of ethylene using as a catalyst system a combination a nickel compound having a selected .alpha.-diimine ligand and a selected Lewis or Bronsted acid, or by contacting selected .alpha.-diimine nickel complexes with ethylene. Also disclosed is a copolymer of an olefin and a fluorinated monomer of the formula H.sub.2 C.dbd.CH(CH.sub.2).sub.a R.sub.f R.sub.42 wherein "a" is an integer of 2 to 20, R.sub.f is a perfluoroalkylene group optionally containing one or more ether linkages, and R.sub.42 is a functional group other than fluorine.

L6 ANSWER 5 OF 14 USPATFULL (Continued)  
the synthesis of linear .alpha.-olefins by the oligomerization of ethylene using as a catalyst system a combination a nickel compound having a selected .alpha.-diimine ligand and a selected Lewis or Bronsted acid, or by contacting selected .alpha.-diimine nickel complexes with ethylene.

L6 ANSWER 5 OF 14 USPATFULL  
ACCESSION NUMBER: 2000:28154 USPATFULL  
TITLE: .alpha.-olefins and olefin polymers and processes therefor  
INVENTOR(S): Brookhart, Maurice S., Chapel Hill, NC, United States  
Johnson, Lynda Kaye, Wilmington, DE, United States  
Killian, Christopher Moore, Chapel Hill, NC, United States  
Arthur, Samuel David, Wilmington, DE, United States  
Feldman, Jerald, Hockessin, DE, United States  
McLain, Stephen James, Wilmington, DE, United States  
Kreutzer, Kristina Ann, Wilmington, DE, United States  
Bennett, Alison Margaret Anne, Wilmington, DE, United States  
Coughlin, Edward Bryan, Wilmington, DE, United States  
Ittel, Steven Dale, Wilmington, DE, United States  
Parthasarathy, Anju, Glenmoore, PA, United States  
Tempel, Daniel Joseph, Carboro, NC, United States  
PATENT ASSIGNEE(S): E. I. du Pont de Nemours and Company, Wilmington, DE, United States (U.S. corporation)  
University of North Carolina Chapel Hill, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6034259		20000307
APPLICATION INFO.:	US 1997-891398		19970710 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1996-590650, filed on 24 Jan 1996, now patented, Pat. No. US 5880241 which is a continuation-in-part of Ser. No. US 1995-473590, filed on 7 Jun 1995, now abandoned which is a continuation-in-part of Ser. No. US 1995-415283, filed on 3 Apr 1995, now abandoned which is a continuation-in-part of Ser. No. US 1995-378044, filed on 24 Jan 1995, now abandoned		

DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: Navarro-Gonzalez, Porfirio  
LEGAL REPRESENTATIVE: Citron, Joel D., Evans, Craig H.  
NUMBER OF CLAIMS: 113  
EXEMPLARY CLAIM: 1,8,13  
LINE COUNT: 13488

## CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed herein are processes for polymerizing ethylene, acyclic olefins, and/or selected cyclic olefins, and optionally selected olefinic esters or carboxylic acids, and other monomers. The polymerizations are catalyzed by selected transition metal compounds, and sometimes other co-catalysts. Since some of the polymerizations exhibit some characteristics of living polymerizations, block copolymers can be readily made. Many of the polymers produced are often novel, particularly in regard to their microstructure, which gives some of them unusual properties. Numerous novel catalysts are disclosed, as well as some novel processes for making them. The polymers made are useful as elastomers, molding resins, in adhesives, etc. Also described herein is

L6 ANSWER 6 OF 14 USPATFULL  
ACCESSION NUMBER: 1999:73681 USPATFULL  
TITLE: Polymers of C.sub.4 and higher .alpha.-olefins  
INVENTOR(S): Brookhart, III, Maurice S., Chapel Hill, NC, United States  
Johnson, Lynda Kaye, Wilmington, DE, United States  
Killian, Christopher Moore, Chapel Hill, NC, United States  
McCord, Elizabeth Forrester, Hockessin, DE, United States  
McLain, Stephen James, Wilmington, DE, United States  
E. I. du Pont de Nemours and Company, Wilmington, DE, United States (U.S. corporation)  
University of North Carolina at Chapel Hill, Chapel Hill, NC, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5916989		19990629
APPLICATION INFO.:	US 1997-891472		19970710 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1996-590650, filed on 24 Jan 1996 which is a continuation-in-part of Ser. No. US 1995-473590, filed on 7 Jun 1995, now abandoned which is a continuation-in-part of Ser. No. US 1995-415283, filed on 19 Apr 1995, now abandoned which is a continuation-in-part of Ser. No. US 1995-378044, filed on 24 Jan 1995, now abandoned		

DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: Nagumo, Mark  
LEGAL REPRESENTATIVE: Citron, Joel D., Evans, Craig H.  
NUMBER OF CLAIMS: 7  
EXEMPLARY CLAIM: 1  
LINE COUNT: 12881

## CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed herein are processes for polymerizing ethylene, acyclic olefins, and/or selected cyclic olefins, and optionally selected olefinic esters or carboxylic acids, and other monomers. The polymerizations are catalyzed by selected transition metal compounds, and sometimes other co-catalysts. Since some of the polymerizations exhibit some characteristics of living polymerizations, block copolymers can be readily made. Many of the polymers produced are often novel, particularly in regard to their microstructure, which gives some of them unusual properties. Numerous novel catalysts are disclosed, as well as some novel processes for making them. The polymers made are useful as elastomers, molding resins, in adhesives, etc. Also described herein is the synthesis of linear .alpha.-olefins by the oligomerization of ethylene using as a catalyst system a combination a nickel compound having a selected .alpha.-diimine ligand and a selected Lewis or Bronsted acid, or by contacting selected .alpha.-diimine nickel complexes with ethylene.

L6 ANSWER 7 OF 14 USPATFULL  
ACCESSION NUMBER: 1999:43707 USPATFULL  
TITLE: .alpha.-olefins and olefin polymers and processes therefor  
INVENTOR(S): Brookhart, Maurice S., Chapel Hill, NC, United States  
Johnson, Lynda Kaye, Wilmington, DE, United States  
Killian, Christopher Moore, Chapel Hill, NC, United States  
Arthur, Samuel David, Wilmington, DE, United States  
McCord, Elizabeth Forrester, Hockessin, DE, United States  
McLain, Stephan James, Wilmington, DE, United States  
PATENT ASSIGNEE(S): E. I. du Pont de Nemours and Company, Wilmington, DE, United States (U.S. corporation)  
University of North Carolina, Chapel Hill, NC, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5891963		19990406
APPLICATION INFO.:	US 1997-891442		19970710 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1996-590650, filed on 24 Jan 1996 which is a continuation-in-part of Ser. No. US 1995-473590, filed on 7 Jun 1995, now abandoned which is a continuation-in-part of Ser. No. US 1995-415283, filed on 3 Apr 1995, now abandoned which is a continuation-in-part of Ser. No. US 1995-378044, filed on 24 Jan 1995, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Nagumo, Mark		
LEGAL REPRESENTATIVE:	Citron, Joel D., Evans, Craig H.		
NUMBER OF CLAIMS:	11		
EXEMPLARY CLAIM:	1		
LINE COUNT:	12995		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

AB Disclosed herein are processes for polymerizing ethylene, acyclic olefins, and/or selected cyclic olefins, and optionally selected olefinic esters or carboxylic acids, and other monomers. The polymerizations are catalyzed by selected transition metal compounds, and sometimes other co-catalysts. Since some of the polymerizations exhibit some characteristics of living polymerizations, block copolymers can be readily made. Many of the polymers produced are often novel, particularly in regard to their microstructure, which give some of them unusual properties. Numerous novel catalysts are disclosed, as well as some novel processes for making them. The polymers made are useful as elastomers, molding resins, in adhesives, etc. Also described herein is the synthesis of linear .alpha.-olefins by the oligomerization of ethylene using as a catalyst system a combination a nickel compound having a selected .alpha.-diimine ligand and a selected Lewis or Bronsted acid, or by contacting selected .alpha.-diimine nickel complexes with ethylene.

L6 ANSWER 8 OF 14 USPATFULL (Continued)  
ethylene using as a catalyst system a combination a nickel compound having a selected .alpha.-diimine ligand and a selected Lewis or Bronsted acid, or by contacting selected .alpha.-diimine nickel complexes with ethylene.

L6 ANSWER 8 OF 14 USPATFULL  
ACCESSION NUMBER: 1999:37335 USPATFULL  
TITLE: .alpha.-diimines for polymerization catalysts  
INVENTOR(S): Brookhart, Maurice S., Chapel Hill, NC, United States  
Johnson, Lynda Kaye, Wilmington, DE, United States  
Arthur, Samuel David, Wilmington, DE, United States  
Feldman, Jerald, Hockessin, DE, United States  
Kreutzer, Kristina Ann, Wilmington, DE, United States  
Bennett, Alison Margaret Anne, Wilmington, DE, United States  
Coughlin, Edward Bryan, Wilmington, DE, United States  
Ittel, Steven Dale, Wilmington, DE, United States  
Parthasarathy, Anju, Glenmoore, PA, United States  
Tempel, Daniel Joseph, Carboro, NC, United States  
PATENT ASSIGNEE(S): E. I. du Pont de Nemours and Company, Wilmington, DE, United States (U.S. corporation)  
University of North Carolina, Chapel Hill, NC, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5886224		19990323
APPLICATION INFO.:	US 1997-891403		19970710 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1996-590650, filed on 24 Jan 1996 And a continuation-in-part of Ser. No. US 1995-473590, filed on 7 Jun 1995, now abandoned which is a continuation-in-part of Ser. No. US 1995-415283, filed on 3 Apr 1995, now abandoned which is a continuation-in-part of Ser. No. US 1995-378044, filed on 24 Jan 1995, now abandoned		
PRIORITY INFORMATION:	US 1995-2654P		19950822 (60)
	US 1995-7375P		19951115 (60)

	NUMBER	DATE
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Nagumo, Mark	
LEGAL REPRESENTATIVE:	Citron, Joel D, Evans, Craig H.	
NUMBER OF CLAIMS:	4	
EXEMPLARY CLAIM:	1	
LINE COUNT:	12949	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

AB Disclosed herein are processes for polymerizing ethylene, acyclic olefins, and/or selected cyclic olefins, and optionally selected olefinic esters or carboxylic acids, and other monomers. The polymerizations are catalyzed by selected transition metal compounds, and sometimes other co-catalysts. Since some of the polymerizations exhibit some characteristics of living polymerizations, block copolymers can be readily made. Many of the polymers produced are often novel, particularly in regard to their microstructure, which gives some of them unusual properties. Numerous novel catalysts are disclosed, as well as some novel processes for making them. The polymers made are useful as elastomers, molding resins, in adhesives, etc. Also described herein is the synthesis of linear .alpha.-olefins by the oligomerization of

L6 ANSWER 9 OF 14 USPATFULL  
ACCESSION NUMBER: 1999:31002 USPATFULL  
TITLE: Processes for making .alpha.-olefins  
INVENTOR(S): Brookhart, III, Maurice S., Chapel Hill, NC, United States  
Johnson, Lynda Kaye, Wilmington, DE, United States  
Killian, Christopher Moore, Gray, TN, United States  
Wang, Lin, Hockessin, DE, United States  
Yang, Zhen-Yu, Wilmington, DE, United States  
PATENT ASSIGNEE(S): E. I. du Pont de Nemours and Company, Wilmington, DE, United States (U.S. corporation)  
University of North Carolina, Chapel Hill, NC, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5880323		19990309
APPLICATION INFO.:	US 1997-891331		19970710 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1996-590650, filed on 24 Jan 1996 which is a continuation-in-part of Ser. No. US 1995-473590, filed on 7 Jun 1995, now abandoned which is a continuation-in-part of Ser. No. US 1995-415283, filed on 3 Apr 1995, now abandoned which is a continuation-in-part of Ser. No. US 1995-378044, filed on 24 Jan 1995, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Nagumo, Mark		
LEGAL REPRESENTATIVE:	Evans, Craig H., Citron, Joel D.		
NUMBER OF CLAIMS:	23		
EXEMPLARY CLAIM:	1		
LINE COUNT:	12969		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

AB Disclosed herein are processes for polymerizing ethylene, acyclic olefins, and/or selected cyclic olefins, and optionally selected olefinic esters or carboxylic acids, and other monomers. The polymerizations are catalyzed by selected transition metal compounds, and sometimes other co-catalysts. Since some of the polymerizations exhibit some characteristics of living polymerizations, block copolymers can be readily made. Many of the polymers produced are often novel, particularly in regard to their microstructure, which gives some of them unusual properties. Numerous novel catalysts are disclosed, as well as some novel processes for making them. The polymers made are useful as elastomers, molding resins, in adhesives, etc. Also described herein is the synthesis of linear .alpha.-olefins by the oligomerization of ethylene using as a catalyst system a combination a nickel compound having a selected .alpha.-diimine ligand and a selected Lewis or Bronsted acid, or by contacting selected .alpha.-diimine nickel complexes with ethylene.

L6 ANSWER 10 OF 14 USPATFULL  
 ACCESSION NUMBER: 1999:30922 USPATFULL  
 TITLE: Olefin polymers  
 INVENTOR(S): Brookhart, Maurice S., Chapel Hill, NC, United States  
 Johnson, Lynda Kaye, Wilmington, DE, United States  
 Killian, Christopher Moore, Chapel Hill, NC, United States  
 McCord, Elizabeth Forrester, Hockessin, DE, United States  
 McLain, Stephan James, Wilmington, DE, United States  
 Kreutzer, Kristina Ann, Wilmington, DE, United States  
 Ittel, Steven Dale, Wilmington, DE, United States  
 Tempel, Daniel Joseph, Carboro, NC, United States  
 PATENT ASSIGNEE(S): E. I. du Pont de Nemours and Company, Wilmington, DE, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5880241		19990309
APPLICATION INFO.:	US 1996-590650		19960124 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1995-473590, filed on 7 Jun 1995, now abandoned which is a continuation-in-part of Ser. No. US 1995-415283, filed on 3 Apr 1995, now abandoned which is a continuation-in-part of Ser. No. US 1995-378044, filed on 24 Jan 1995, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Nagumo, Mark		
LEGAL REPRESENTATIVE:	Evans, Craig A., Citron, Joel D.		
NUMBER OF CLAIMS:	63		
EXEMPLARY CLAIM:	1		
LINE COUNT:	13067		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed herein are processes for polymerizing ethylene, acyclic olefins, and/or selected cyclic olefins, and optionally selected olefinic esters or carboxylic acids, and other monomers. The polymerizations are catalyzed by selected transition metal compounds, and sometimes other co-catalysts. Since some of the polymerizations exhibit some characteristics of living polymerizations, block copolymers can be readily made. Many of the polymers produced are often novel, particularly in regard to their microstructure, which gives some of them unusual properties. Numerous novel catalysts are disclosed, as well as some novel processes for making them. The polymers made are useful as elastomers, molding resins, in adhesives, etc. Also described herein is the synthesis of linear .alpha.-olefins by the oligomerization of ethylene using as a catalyst system a combination a nickel compound having a selected .alpha.-diimine ligand and a selected Lewis or Bronsted acid, or by contacting selected .alpha.-diimine nickel complexes with ethylene.

L6 ANSWER 11 OF 14 USPATFULL (Continued)  
 ethylene using as a catalyst system a combination a nickel compound having a selected .alpha.-diimine ligand and a selected Lewis or Bronsted acid, or by contacting selected .alpha.-diimine nickel complexes with ethylene.

L6 ANSWER 11 OF 14 USPATFULL  
 ACCESSION NUMBER: 1999:16016 USPATFULL  
 TITLE: Processes of polymerizing olefins  
 INVENTOR(S): Brookhart, Maurice S., Chapel Hill, NC, United States  
 Johnson, Lynda Kaye, Wilmington, DE, United States  
 Killian, Christopher Moore, Gray, TN, United States  
 Arthur, Samuel David, Wilmington, DE, United States  
 Feldman, Jerald, Hockessin, DE, United States  
 McCord, Elizabeth Forrester, Hockessin, DE, United States  
 McLain, Stephan James, Wilmington, DE, United States  
 Kreutzer, Kristina Ann, Wilmington, DE, United States  
 Bennett, Alison Margaret Anne, Wilmington, DE, United States  
 Coughlin, Edward Bryan, Wilmington, DE, United States  
 Ittel, Steven Dale, Wilmington, DE, United States  
 Parthasarathy, Anju, Glenmoore, PA, United States  
 Wang, Lin, Hockessin, DE, United States  
 Yang, Zhen-Yu, Wilmington, DE, United States  
 PATENT ASSIGNEE(S): E. I. du Pont de Nemours and Company, Wilmington, DE, United States (U.S. corporation)  
 University of North Carolina, Chapel Hill, NC, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5866663		19990202
APPLICATION INFO.:	US 1997-891332		19970710 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1996-590650, filed on 24 Jan 1996 which is a continuation-in-part of Ser. No. US 1995-473590, filed on 7 Jun 1995, now abandoned which is a continuation-in-part of Ser. No. US 1995-415283, filed on 3 Apr 1995, now abandoned which is a continuation-in-part of Ser. No. US 1995-378044, filed on 24 Jan 1995, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Nagumo, Mark		
LEGAL REPRESENTATIVE:	Evans, Craig H., Citron, Joel D.		
NUMBER OF CLAIMS:	309		
EXEMPLARY CLAIM:	1		
LINE COUNT:	14322		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed herein are processes for polymerizing ethylene, acyclic olefins, and/or selected cyclic olefins, and optionally selected olefinic esters or carboxylic acids, and other monomers. The polymerizations are catalyzed by selected transition metal compounds, and sometimes other co-catalysts. Since some of the polymerizations exhibit some characteristics of living polymerizations, block copolymers can be readily made. Many of the polymers produced are often novel, particularly in regard to their microstructure, which gives some of them unusual properties. Numerous novel catalysts are disclosed, as well as some novel processes for making them. The polymers made are useful as elastomers, molding resins, in adhesives, etc. Also described herein is the synthesis of linear .alpha.-olefins by the oligomerization of

L6 ANSWER 12 OF 14 USPATFULL  
 ACCESSION NUMBER: 1998:58109 USPATFULL  
 TITLE: MR imaging compositions and methods  
 INVENTOR(S): Snow, Robert A., West Chester, PA, United States  
 Ladd, David L., Wayne, PA, United States  
 Toner, John L., Downingtown, PA, United States  
 Hollister, K. Robert, Chester Springs, PA, United States  
 PATENT ASSIGNEE(S): Sterling Winthrop Inc., New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5756688		19980526
APPLICATION INFO.:	US 1993-121133		19930914 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1992-960746, filed on 14 Oct 1992		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Raymond, Richard L.		
LEGAL REPRESENTATIVE:	Fish & Richardson P.C.		
NUMBER OF CLAIMS:	17		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	3 Drawing Figure(s); 3 Drawing Page(s)		
LINE COUNT:	1149		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention provides compositions useful in MR imaging comprising a polymer comprising units comprising the residue of a chelating agent linked to a poly(alkylene oxide) moiety, the polymer having a paramagnetic metal ion associated therewith.

L6 ANSWER 13 OF 14 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1992:31095 CAPLUS  
 DOCUMENT NUMBER: 116:31095  
 TITLE: Kinetics and mechanism of low-temperature  
 photochemical chlorination of perfluoro  
 alkyl vinyl ethers  
 AUTHOR(S): Gorshkov, A. A.; Chernyavskii, A. I.; Tupikov, V. I.;  
 Lazareva, R. P.  
 CORPORATE SOURCE: Nauchno-Issled. Fiz.-Khim. Inst. im. Karpova, USSR  
 SOURCE: Khim. Vys. Energ. (1991), 25(5), 448-54  
 CODEN: KHVKAQ; ISSN: 0023-1193  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Russian  
 AB Photolysis was studied of Cl<sub>2</sub> in perfluorinated alkyl vinyl ether glasses  
 at 77 K. Chlorination of the matrix by photoproduct Cl atom was a chain  
 reaction and produced 3 types of paramagnetic particles: the  
 end- and middle-chain fluoroalkyl radicals -.bul.CF<sub>2</sub> and -.bul.CF- resp.,  
 and paramagnetic Cl donor-acceptor complexes with olefin double  
 bond. The middle chain -.bul.CF<sub>2</sub>- radicals were inactive, served as the  
 inhibitors of the chain reaction, and decayed at >115 K.

L6 ANSWER 14 OF 14 USPATFULL  
 ACCESSION NUMBER: 71:33412 USPATFULL  
 TITLE: METHOD OF PRODUCING NITRILE POLYMERS  
 INVENTOR(S): Johns, Iral B., Marblehead, MA, United States  
 PATENT ASSIGNEE(S): Monsanto Research Corporation, St. Louis, MO, United  
 States  

NUMBER	KIND	DATE
US 3609128		19710928
US 1969-871343		19691024 (4)

 PATENT INFORMATION: Division of Ser. No. US 1964-411140, filed on 13 Nov  
 APPLICATION INFO.: 1964, now patented, Pat. No. US 3502579  
 RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1963-324213, filed  
 on 18 Nov 1963, now abandoned  
 DOCUMENT TYPE: Utility  
 FILE SEGMENT: Granted  
 PRIMARY EXAMINER: Schofer, Joseph L.  
 ASSISTANT EXAMINER: Kight, John  
 LEGAL REPRESENTATIVE: Ferris; L. A., Dickey; R. M., Moshier; M. B.  
 NUMBER OF CLAIMS: 5  
 LINE COUNT: 930  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 AB Method for producing polymers of nitriles, especially  
 perfluoroglutaronitrile and acetonitrile, in the presence of catalytic  
 materials such as, graphite, nickel chloride, metal cyanocoordination  
 compounds, e.g., copper phthalocyanine, at elevated temperatures, and  
 in some cases, elevated pressures.



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NEWS 7 Mar 22 TOXLIT no longer available  
NEWS 8 Mar 22 TRCTHERMO no longer available  
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Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> e mannose perfluorooctylsulfonamide/cn

E1 1 MANNOSE MALEATE POTASSIUM SALT/CN

E2 1 MANNOSE MONODECANOATE/CN

E3 0 --> MANNOSE PERFLUOROOCTYLSULFONAMIDE/CN

E4 1 MANNOSE PERMEASE/CN

E5 1 MANNOSE PERMEASE IIM (CLOSTRIDIUM PERFRINGENS STRAIN 13  
GENE

CPE2630)/CN

E6 1 MANNOSE PHENYLCARBAMATE/CN

E7 1 MANNOSE PHOSPHATE ISOMERASE/CN

E8 1 MANNOSE PHOSPHATE ISOMERASE (5.3.1.8)/CN

E9 1 MANNOSE PHOSPHOMUTASE (SALMONELLA TYPHIMURIUM STRAIN LT2

GEN

E MANB C-TERMINAL FRAGMENT)/CN

E10 1 MANNOSE PHOSPHOTRANSFERASE/CN

E11 1 MANNOSE PHOSPHOTRANSFERASE (LACTOBACILLUS CURVATUS CLONE

PCU

905 ISOENZYME EII GENE MANA)/CN

E12 1 MANNOSE PHOSPHOTRANSFERASE (LACTOBACILLUS CURVATUS CLONE

PCU

905 ISOENZYME EII GENE MANB)/CN

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.38

0.59

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